

**LISTING OF CLAIMS**

The following listing of the claims will replace all prior versions, and listings, of claims in the application.

1. (Original) Apparatus for use in preparing a biological specimen sample, comprising:
  - a specimen filter;
  - a container for holding the filter; and
  - a data storage device associated with the container, wherein data related to the filter is stored in the data storage device.
2. (Original) The apparatus of claim 1, comprising a plurality of filters, the container holding the plurality of filters , and the data storage device storing data related to the plurality of filters.
3. (Original) The apparatus of claim 1, the container comprising a tray.
4. (Original) The apparatus of claim 1, the filter comprising a liquid-based filter.
5. (Original) The apparatus of claim 1, the data storage device comprising a read only memory.
6. (Original) The apparatus of claim 1, the data storage device comprising a read/write memory.

7. (Original) The apparatus of claim 1, the data storage device being attached to a surface of the container.
8. (Original) The apparatus of claim 1, the container defining a recess, the data storage device being positioned in the recess.
9. (Original) The apparatus of claim 8, the recess being generally symmetrical.
10. (Original) The apparatus of claim 8, a width or height of the recess being tapered.
11. (Original) The apparatus of claim 1, the stored data indicating a test or combination of tests that are compatible with the filter.
12. (Original) The apparatus of claim 1, the stored data indicating a specimen that is compatible with the filter.
13. (Original) The apparatus of claim 1, the stored data indicating whether the filter has expired.
14. (Original) The apparatus of claim 1, the stored data indicating a number of processing steps involving the filter or the specimen.

15. (Original) The apparatus of claim 1, the stored data indicating one or more parameters of processing steps involving the filter or the specimen.
16. (Original) The apparatus of claim 1, the stored data comprising a unique registration number of the data storage device.
17. (Original) The apparatus of claim 1, the filter comprising a cytological filter.
18. (Currently Amended) A system for preparing a biological specimen sample, comprising:  
a specimen filter; a container for holding the filter; a data storage device associated with the container; a processor; and  
a communications interface coupled to each of the data storage device and the processor, wherein data related to the filter is stored in the data storage device and can be retrieved therefrom by the processor through the communications interface.
19. (Original) The system of claim 18, comprising a plurality of filters, the container holding the plurality of filters, and the data storage device storing data related to the plurality of filters.
20. (Original) The system of claim 18, the container comprising a tray.
21. (Original) The system of claim 18, the filter comprising a liquid-based filter.
22. (Original) The system of claim 18, the data storage device comprising a read only

memory.

23. (Original) The system of claim 18, the data storage device comprising a read/write memory.

24. (Original) The system of claim 18, the data storage device being attached to a surface of the container.

25. (Original) The system of claim 18, the container defining a recess, the data storage device being positioned in the recess.

26. (Original) The system of claim 25, the recess being generally symmetrical.

27. (Original) The system of claim 25, a width or a height of the recess being tapered.

28. (Original) The system of claim 27, the tapered recess being configured to receive the communications interface.

29. (Original) The system of claim 18, the processor having a housing, wherein the container is positioned in the processor housing.

30. (Original) The system of claim 18, the stored data indicating a test or a combination of tests that are compatible with the filter.

31. (Original) The system of claim 18, the stored data indicating a specimen that is compatible with the filter.
32. (Original) The system of claim 18, the stored data indicating whether the filter has expired.
33. (Original) The system of claim 18, the stored data indicating a number of processing steps involving the filter or the specimen.
34. (Original) The system of claim 18, the stored data indicating one or more parameters of processing steps involving the filter or the specimen.
35. (Original) The system of claim 18, the stored data comprising a unique registration number of the data storage device.
36. (Original) The system of claim 18, the communications interface comprising a serial data interface.
37. (Original) The system of claim 18, the communications interface comprising a mechanical interface.
38. (Original) The system of claim 18, the communications interface comprising a wireless

interface.

39. (Original) The system of claim 18, wherein the specimen is housed in a vial, and the vial and the filter each include a respective code.

40. (Original) The system of claim 39, further comprising a plurality of interface, respective interfaces being configured to read respective codes of the vial and the filter into the processor.

41. (Original) The system of claim 40, the respective codes comprising barcodes.

42. (Original) The system of claim 40, the respective interfaces comprising electro-optical interfaces.

43. (Original) The system of claim 18, the filter comprising a cytological filter.

44-50. Canceled.

51. (Original) Apparatus for preparing a biological specimen sample, comprising:  
a specimen filter; and  
a data storage device associated with the filter, wherein data related to the filter is stored in the data storage device to indicate whether the filter has been utilized.

52. (Original) The apparatus of claim 51, wherein a slide processor determines whether the

filter was previously utilized based on the data in the data storage device.

53. (Currently Amended) The apparatus of claim [53]52, wherein the slide processor compares previously stored data and data stored in the data storage device of the filter.

54. (Original) The apparatus of claim 53, wherein the slide processor compares data from the filter and data from a specimen vial.

55. (Original) The apparatus of claim 53, wherein a unique number or code of the data storage device indicates a filter that has not been utilized.

56. (Original) The apparatus of claim 51, the filter comprising a cytological filter.